

S/N Unknown

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kie Y. Ahn et al. Examiner: Unknown
Serial No.: Unknown Group Art Unit: Unknown
Filed: Herewith Docket: 1303.033US2
Title: LOW-TEMPERATURE GROWN HIGH-QUALITY ULTRA-THIN
PRASEODYMIUM GATE DIELECTRICS

COMMUNICATION CONCERNING RELATED APPLICATION(S)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Applicants would like to bring to the Examiner's attention the following related application(s) in the above-identified patent application:

| <u>Serial/Patent No.</u> | <u>Filing Date</u> | <u>Attorney Docket</u> | <u>Title</u> |
|--------------------------|--------------------|------------------------|---|
| 09/944981 | August 30, 2001 | 1303.021US1 | CRYSTALLINE OR AMOPHOUS MEDIUM-K GATE OXIDES, Y2O3 AND Gd2O3 |
| 09/945535 | August 30, 2001 | 1303.026US1 | HIGHLY RELIABLE AMORPHOUS HIGH-K GATE OXIDE ZrO2 |
| 10/028643 | December 20, 2001 | 1303.030US1 | LOW-TEMPERATURE GROWN HIGH QUALITY ULTRA-THIN CoTiO3 GATE DIELECTRICS |
| 10/052983 | January 17, 2002 | 1303.031US1 | HIGHLY RELIABLE AMORPHOUS HIGH-k GATE DIELECTRIC ZrOxNy |
| 10/099194 | March 13, 2002 | 1303.044US1 | EVAPORATION OF Y-Si-O FILMS FOR MEDIUM-k DIELECTRICS |
| 10/081439 | February 20, 2002 | 1303.046US1 | EVAPORATED LaAlO3 FILMS FOR GATE DIELECTRICS |
| 10/137499 | May 2, 2002 | 1303.050US1 | ATOMIC LAYER-DEPOSITED LaAlO3 FILMS FOR GATE DIELECTRICS |

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| 10/163481 | June 5, 2002 | 1303.056US1 | ATOMIC LAYER-DEPOSITED HfAlO ₃ FILMS FOR GATE DIELECTRICS |
| 10/163686 | June 5, 2002 | 1303.059US1 | Pr ₂ O ₃ -BASED La-oxide GATE DIELECTRICS |
| 10/209581 | July 30, 2002 | 1303.061US1 | ATOMIC LAYER DEPOSITED NANOLAMINATES OF HfO ₂ /ZrO ₂ FILMS AS GATE DIELECTRICS |
| 10/219870 | August 15, 2002 | 1303.069US1 | LANTHANIDE DOPED TiO _x DIELECTRIC FILMS BY PLASMA OXIDATION |
| 10/219878 | August 15, 2002 | 1303.070US1 | LANTHANIDE DOPED TiO _x DIELECTRIC FILMS |
| 10/229903 | August 28, 2002 | 1303.078US1 | ATOMIC LAYER DEPOSITED HfSiON DIELECTRIC FILMS |
| 10/233309 | August 29, 2002 | 1303.079US1 | ATOMIC LAYER DEPOSITED LANTHANIDE DOPED TiO _x DIELECTRIC FILMS |
| 10/309583 | December 4, 2002 | 1303.082US1 | ATOMIC LAYER DEPOSITED ZR-SN- TI-O FILMS USING TiH ₄ |
| 10/309935 | December 4, 2002 | 1303.083US1 | ATOMIC LAYER DEPOSITED Zr-Sn- Ti-O FILMS |
| 10/379470 | March 4, 2003 | 1303.090US1 | ATOMIC LAYER DEPOSITED DIELECTRIC LAYERS |
| 10/403734 | March 31, 2003 | 1303.092US1 | ATOMIC LAYER DEPOSITED ZrAl _x O _y DIELECTRIC LAYERS |
| 10/420307 | April 22, 2003 | 1303.097US1 | ATOMIC LAYER DEPOSITED ZrTiO ₄ FILMS |
| 10/602323 | June 24, 2003 | 1303.101US1 | LANTHANIDE OXIDE / HAFNIUM OXIDE DIELECTRIC LAYERS |
| 10/602315 | June 24, 2003 | 1303.107US1 | LANTHANIDE OXIDE / HAFNIUM OXIDE DIELECTRICS |

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Respectfully submitted,

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